



Attorney Docket No. 50288/PPDUSPCT
Serial No. 09/581,036

FILING BY "FIRST CLASS MAIL" UNDER 37 C.F.R. § 1.8

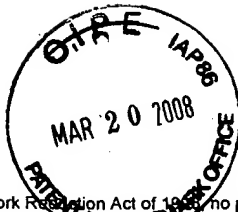
Thereby certify that the following correspondence is being deposited with the United States Postal Service as "First Class Mail" with proper postage in an envelope addressed to: Attention: Office of Petitions, Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on March 17, 2008.

- 1) Petition to Withdraw Holding of Abandonment – Office Action Not Received (3 pages total)
- 2) Petition for Revival of an Application for Patent Abandonment Unintentionally Under 37 CFR 1.137(b)
- 3) Docket Record for U.S. Serial No. 09/591,036 (2 pages total)
- 4) Copy of the FIRST Request for Change of Correspondence Address and Revocation of Power of Attorney mailed April 4, 2003
- 5) Copy of the SECOND Request for Change of Correspondence Address and Revocation of Power of Attorney sent November 14, 2003
- 6) Copy of the THIRD Request for Change of Correspondence Address and Revocation of Power of Attorney sent January 24, 2007
- 7) Copy of the Status Inquiry mailed June 27, 2007
- 8) Copy of the Notice of Acceptance of Power of Attorney mailed August 1, 2007
- 9) Credit Card Payment Form
- 10) Return Postcard

Melissa Hardy

Name

Signature



15

DAC/S

PTO/SB/64 (01-08)

Approved for use through 02/29/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**PETITION FOR REVIVAL OF AN APPLICATION FOR PATENT
ABANDONED UNINTENTIONALLY UNDER 37 CFR 1.137(b)**

Docket Number (Optional)
PPD50288UST

First named inventor: CHENGCAI CHU

Application No.: 09/581,036

Art Unit: 1638

Filed: 08/08/2000

Examiner: KALLIS, RUSSELL

Title: GENETIC METHOD

Attention: Office of Petitions
Mail Stop Petition
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
FAX (571) 273-8300

NOTE: If information or assistance is needed in completing this form, please contact Petitions Information at (571) 272-3282.

The above-identified application became abandoned for failure to file a timely and proper reply to a notice or action by the United States Patent and Trademark Office. The date of abandonment is the day after the expiration date of the period set for reply in the office notice or action plus an extensions of time actually obtained.

APPLICANT HEREBY PETITIONS FOR REVIVAL OF THIS APPLICATION

NOTE: A grantable petition requires the following items:

- (1) Petition fee;
- (2) Reply and/or issue fee;
- (3) Terminal disclaimer with disclaimer fee - required for all utility and plant applications filed before June 8, 1995; and for all design applications; and
- (4) Statement that the entire delay was unintentional.

1. Petition fee

☐ Small entity-fee \$ _____ (37 CFR 1.17(m)). Applicant claims small entity status. See 37 CFR 1.27.

☒ Other than small entity - fee \$ 1540.00 (37 CFR 1.17(m))

2. Reply and/or fee

A. The reply and/or fee to the above-noted Office action in the form of a Petition to Withdraw - Office Action Not Received (identify type of reply):

- ☐ has been filed previously on _____
☒ is enclosed herewith.

03/20/2008 ATRINH 00000002 09581036

B. The issue fee and publication fee (if applicable) of \$ 01 FC+1453

1540.00 JP

- ☐ has been paid previously on _____
☐ is enclosed herewith.

[Page 1 of 2]

This collection of information is required by 37 CFR 1.137(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

3. Terminal disclaimer with disclaimer fee

☒ Since this utility/plant application was filed on or after June 8, 1995, no terminal disclaimer is required.

☐ A terminal disclaimer (and disclaimer fee (37 CFR 1.20(d)) of \$ _____ for a small entity or \$ _____ for other than a small entity) disclaiming the required period of time is enclosed herewith (see PTO/SB/63).

4. STATEMENT: The entire delay in filing the required reply from the due date for the required reply until the filing of a grantable petition under 37 CFR 1.137(b) was unintentional. [NOTE: The United States Patent and Trademark Office may require additional information if there is a question as to whether either the abandonment or the delay in filing a petition under 37 CFR 1.137(b) was unintentional (MPEP 711.03(c), subsections (III)(C) and (D)).]

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

Bruce Vrana
Signature

3/17/08
Date

Bruce Vrana

38,672

Typed or printed name

Registration Number, if applicable

3054 E. Cornwallis Road

919-541-8614

Address

Telephone Number

Durham, NC 27709

Address

Enclosures: ☒ Fee Payment

☐ Reply

☐ Terminal Disclaimer Form

☒ Additional sheets containing statements establishing unintentional delay

☒ Other: Petition to Withdraw Holding of Abandonment - Office Action Not Received

CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]

I hereby certify that this correspondence is being:

☒ Deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop Petition, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

☐ Transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (571) 273-8300.

Date

Signature

Melissa Hardy

Typed or printed name of person signing certificate



Attorney Docket No. PPD50288UST

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: CHENGCAI CHU

SERIAL NO.: 09/581,036

GROUP ART UNIT: 1638

FILED: 08/08/2000

EXAMINER: KALLIS, Russell

FOR: GENETIC METHOD

Attention: Office of Petitions
Mail Stop Petition
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**PETITION TO WITHDRAW HOLDING OF ABANDONMENT
- OFFICE ACTION NOT RECEIVED**

Applicant hereby petitions to withdraw holding of abandonment in this case, on the basis that the Office Communication re: Notice of Improper Request for Continued Examination (RCE) mailed February 2, 2005 forming the basis of the abandonment was not received. Applicant also never received a Notice of Abandonment from the Office in this case.

I hereby state:

- (a) The Office Communication re: Notice of Improper Request for Continued Examination mailed on February 2, 2005 was not received.
- (b) A Notice of Abandonment from the Office was never received.
- (c) A search of the file jacket and the docket records in my office indicates that the Office Communication re: Notice of Improper Request for Continued Examination mailed February 5, 2005 was not received.

03/20/2008 ATRIHH 00000002 09581036

02 FC:1464

130.00 0P

I attach a copy of the docket record where the non-received Office Communication re: Notice of Improper Request for Continued Examination mailed February 5, 2005 would have been entered had it been received and docketed.

The Office Communication re: Notice of Improper Request for Continued Examination was mailed to Hale and Dorr, 60 State Street, Boston, MA 02109 on February 2, 2005. Hale and Dorr failed to forward the Office Communication to Applicant. Hale and Dorr was no longer responsible for prosecution at the time the Office Communication was mailed.

Applicant had revoked Hale and Dorr's Power of Attorney by filing a Change of Correspondence Address with New Power of Attorney on April 4, 2003 (First request) and November 14, 2003 (Second request), (copies of which are enclosed), which pre-dates the mailing of the Office Communication on February 5, 2005.

A Third Request for Change of Correspondence Address and Revocation of Power of Attorney was sent on February 2, 2006 but it was never received per PCT Legal. Thus, Applicant faxed the Third Request for Change of Correspondence Address and Revocation of Power of Attorney directly to Charles Smoot in PCT Legal on January 24, 2007 (a copy of which is enclosed).

Applicant mailed to the Office a Status Inquiry on June 27, 2007 to check the status of the Third Request for Change of Correspondence of Address and Revocation of Power of Attorney. The Office failed to send a Notice of Acceptance of Power of Attorney (a copy of which is enclosed) until August 1, 2007 despite four attempts by Applicant to change the Correspondence Address and Power of Attorney.

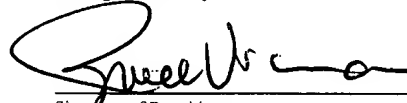
Applicant hereby states that, for the above reasons, the delay in filing the response to the Office Communication re: Notice of Improper Request for Continued Examination and the subsequent abandonment of the above-captioned application was unintentional. Applicant respectfully requests that Applicant's attached Petition for Revival of an Application for Patent

Abandoned Unintentionally Under 37 C.F.R. 1.137(b) be granted. In addition, Applicant requests that the Office Communication re: Notice of Improper Request for Continued Examination be resent to Applicant at the below listed address.

Please charge the petition fee of \$130.00 to Applicant's credit card. A Credit Card Payment Form is enclosed for processing. Applicant also encloses \$1540.00 for the Petition for Revival of an Application for Patent Abandoned Unintentionally Under 37 C.F.R. 1.137(b).

If any additional information is needed, the Office of Petitions is invited to call the undersigned attorney at (919) 541-8614.

Respectfully submitted,



Signature of Practitioner

Date: 3/17/08

Bruce Vrana

Type or print name of person signing

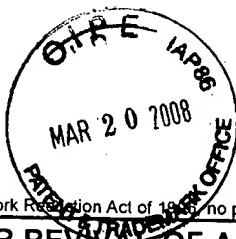
Syngenta Biotechnology, Inc.

3054 E. Cornwallis Road

Durham, NC 27709

Reg. No.: 38,672

Tel. No.: (919) 541-8614



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**PETITION FOR REVIVAL OF AN APPLICATION FOR PATENT
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Title: GENETIC METHOD

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P.O. Box 1450
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☒ Other than small entity - fee \$ 1540.00 (37 CFR 1.17(m))

2. Reply and/or fee

A. The reply and/or fee to the above-noted Office action in the form of a Petition to Withdraw - Office Action Not Received (identify type of reply):

- ☐ has been filed previously on _____
☒ is enclosed herewith.

B. The issue fee and publication fee (if applicable) of \$ _____
☐ has been paid previously on _____
☐ is enclosed herewith.

[Page 1 of 2]

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3. Terminal disclaimer with disclaimer fee

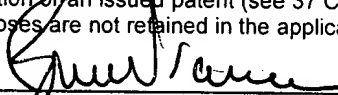
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Signature

3/17/08
Date

Bruce Vrana

Typed or printed name

38,672

Registration Number, if applicable

3054 E. Cornwallis Road

Address

919-541-8614

Telephone Number

Durham, NC 27709

Address

Enclosures: ☒ Fee Payment

☐ Reply

☐ Terminal Disclaimer Form

☒ Additional sheets containing statements establishing unintentional delay

☒ Other: Petition to Withdraw Holding of Abandonment - Office Action Not Received

CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]

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☐ Transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (571) 273-8300.

Date

Signature

Melissa Hardy

Typed or printed name of person signing certificate

List

Event	Nature	Deadline	Official	Performed	Acknowledged	Amount (CHF)
US_Response to Restriction Require	0975	05/11/2001		<input checked="" type="checkbox"/>	14/01/2002	
Record	0068			<input type="checkbox"/>		
Response to office action		15/01/2005	15/11/2004	<input type="checkbox"/>	23/12/2004	
US_Decision on Petition				<input type="checkbox"/>		
Response to office action		29/10/2004	15/11/2004	<input checked="" type="checkbox"/>		
US_Filing Receipt				<input type="checkbox"/>		
National phase - Local filing	09/581036			<input type="checkbox"/>	01/08/2007	
US_Change of Correspondence Add		02/02/2006		<input type="checkbox"/>		
US_Notice Regarding Power of Attor				<input type="checkbox"/>		



Main Workflow

☒ Event [REDACTED] Nature 09/581036

☒ Deadline [REDACTED] Official [REDACTED] Performed 10/12/1998 ☐ Closed ☐ Acknowledgment [REDACTED]

Time

Executive Playle Matthew NOT NEEDED Working time ☐ X Invoice method [REDACTED]

Cost Information

Direction [REDACTED] Amount [REDACTED] Amount (CHF) [REDACTED]

Currency [REDACTED]

Comments [REDACTED] Status [REDACTED]



The Office Communication Re: Notice of Improper Request for Continued Examination (RCE) mailed February 5, 2005 would have been entered before the US Filing Receipt action had it been received by our office.

Patent Application [18/18]

File number

Internal reference

Case code

PPD 50288/UST

529491

Open date

31/05/2000

Country

Type

Attorney

VRANA Bruce

Main

Owners & CC

Inventors

Keywords

Priorities

Title

Inter parte proceedings

Licences

Others

Basic Comp.

Division / Site

Division

Agents

Prosecution

Annuit

Local

IP Site

Research Triangle Park

Syngenta Biotechnology Inc.

CPA

Syngenta Biotechnology Inc.

Status

Legal

Prosecution

Processed by

Claims

Pages

0

0

Current status

Filter

Event

Date

10/12/1998

Number

09/581036

Critical dates

Filing

Publication

Grant

Abandon

Date

10/12/1998

Number

09/581036

Next actions due

Expiry date

Event

10/12/2018

Number

Next events

Deadline

10/12/2018

Number

Licence of rights

Small Entity

Expiry

10/12/2018

Date

N°

Next annuity due



Case No. 50288/PPDUWPLT **PTO IPE**
Application No. 09/581,036
Mailing Date: April 4, 2003 **APR 09 2003**
Due Date: _____
Express Mail No.: _____

The Patent & Trademark Office acknowledges, and has stamped hereon the date of receipt of the items checked below:

☒ Filing by First Class Mail Under 37 CFR 1.8
☐ Amendment/Response/Other - Fee \$ _____
☐ Application Filing Papers - Fee \$ _____
☐ PCT National Stage
☐ Provisional Application
☐ CPA ☐ DIV ☐ CONT ☐ CIP
☐ Specification _____ Pg's
☒ Verification of Power of Attorney or Execution/Inventor's Declaration - Fee \$ _____
☐ Missing Parts/Missing Req. Authorization of Agent
☐ Preliminary Amendment _____ Pg's
☐ Claim of Priority ☐ Certified Copy(s)
☒ Change of Correspondence Address - Application
☐ Notice of Appeal - Fee \$ _____
☐ Appeal Brief - Fee \$ _____
☒ Statement Under 37 CFR 3.73(b)
☐ Issue Fee Payment \$ _____
☐ Assignment Rec. Req. - Fee \$ _____
☐ Formal Drawings _____ Pg's
☒ Certified Copy of Syngenta Limited
☐ Power of Attorney
☐ PTO-1449 Form _____ Pg's
☐ Petition for Extension of Time - Fee \$ _____
☒ Declaration of Assignee for US Patent No. 09/581,036
☐ Seq. Listings _____ Pg's/Seq. Disk
☐ Credit Card Payment Form

☒ Certified Copy of the Certificate of Incorporation or Change of Name
BY Initials for Company Number 2710846 83417/00



FILING BY "FIRST CLASS MAIL" UNDER 37 § C.F.R. 1.8

I hereby certify that the following correspondence is being deposited with the United States Postal Service as "First Class Mail" with proper postage in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on the date indicated below.

- 1) Change of Correspondence Address (Application)
- 2) Revocation of Power of Attorney or Authorization of Agent
- 3) Certified Copy of the Syngenta Limited Power of Attorney dated November 2, 2002
- 4) Statement Under 37 CFR 3.73(b)
- 5) Copy of the Notice of Recordation of Assignment for U.S. Serial No. 09/581,036
- 6) Certified Copy of the Certificate of Incorporation on Change of Name for Company Number 2710846 dated November 21, 2000
- 7) Return Postcard

Melissa Hardy

Name

Melissa Hardy

Signature

April 4, 2003

Date

**CHANGE OF
CORRESPONDENCE ADDRESS
Application**Address to:
Assistant Commissioner for Patents
Washington, D.C. 20231

Application Number	09/581,036
Filing Date	8/8/2000
First Named Inventor	Chu
Art Unit	1638
Examiner Name	Kallis, Russell
Attorney Docket Number	50288/PPDUSPCT

Please change the Correspondence Address for the above-identified application to:



Customer Number

022847

Type Customer Number here

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Number Bar Code
Label here

OR

Firm or
Individual Name

Address

Address

City

State

ZIP

Country

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Fax

This form cannot be used to change the data associated with a Customer Number. To change the data associated with an existing Customer Number use "Request for Customer Number Data Change" (PTO/SB/124).

I am the :



Applicant/Inventor.



Assignee of record of the entire interest.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).



Attorney or Agent of record.



Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration. See 37 CFR 1.33(a)(1). Registration Number _____

Typed or Printed
Name

Bruce Vrana for Syngenta Limited

Signature

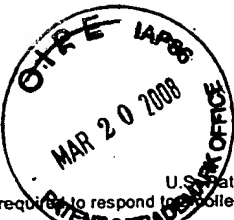
Date

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.



*Total of 1 forms are submitted.

Please type a plus sign (+) inside this box →



PTO/SS82 (1C-30)

Approved for use through 10/31/2002. OME 1651-QQ35

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

REVOCATION OF POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	09/581,036
Filing Date	8/8/2000
First Named Inventor	Chu
Group Art Unit	1638
Examiner Name	Kallis, Russell
Attorney Docket Number	50288/PPDUSPCT

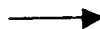
I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application:

☒ A Power of Attorney or Authorization of Agent is submitted herewith.

OR

☐ Please change the correspondence address for the above-identified application to:

☐ Customer Number



Place Customer
Number Bar Code
Label here

OR

☐ Firm or
Individual Name

Address

Address

City

Country

State

ZIP

Telephone

Fax

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

Name

Bruce Vrana for Syngenta Limited

Signature

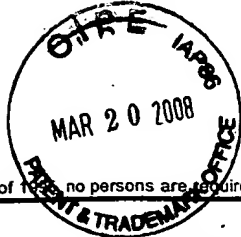
Date

4/4/03

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ Total of 1 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Zeneca Limited
Application No./Patent No.: 09/581,036 Filed/Issue Date: 8/8/2000
Entitled: Genetic Method
Zeneca Limited, a corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by, percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 011175, Frame 0066, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

4/4/02
Date

Bruce Vrana for Syngenta Limited

Typed or printed name

Bruce Vrana
Signature

Senior Patent Attorney

Title



TO ALL TO WHOM THESE PRESENTS shall come
I, **ANDREW MICHAEL JACKSON**, Notary Public by
Royal Authority duly admitted and sworn practising at
Guildford in the County of Surrey in the United
Kingdom of Great Britain and Northern Ireland

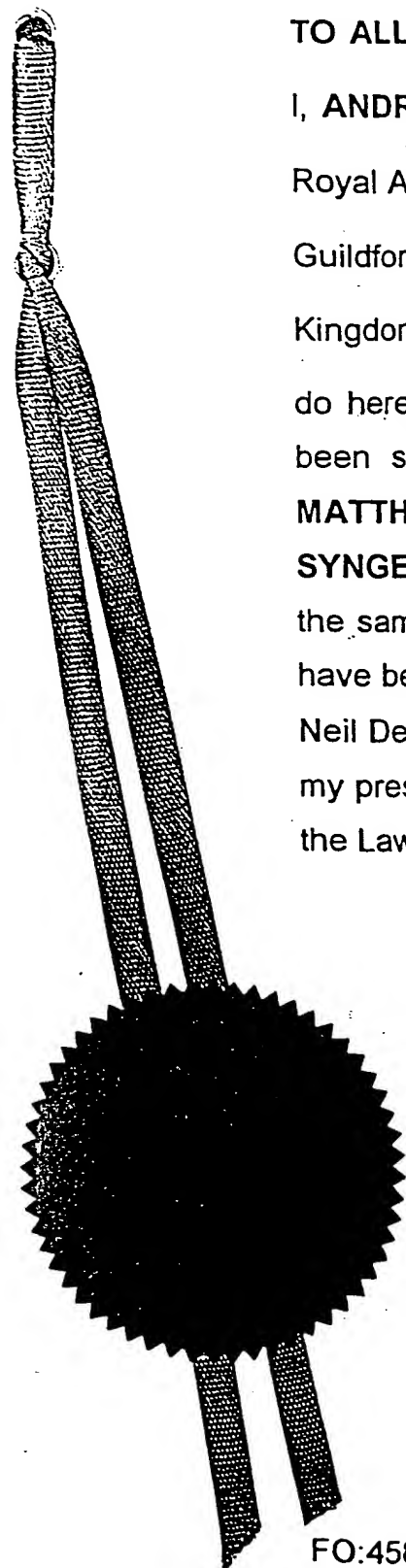
do hereby certify that the Power of Attorney annexed hereto has
been signed as a Deed by **NEIL DEMPSEY** a Director and
MATTHEW DAVID BAYLISS the Secretary on behalf of
SYNGENTA LIMITED a company registered in England and that
the same "N Dempsey" and "Matthew Bayliss" thereto subscribed
have been compared with specimens of the signatures of the said
Neil Dempsey and Matthew David Bayliss held by me and made in
my presence AND THAT the Deed so signed is in accordance with
the Law of England and Wales and binding on the Company

IN FAITH AND TESTIMONY
whereof I have hereunto
subscribed my name and affixed
my Seal of Office this 20th day of
November in the year of Our Lord
Two thousand and two

Notary Public
Guildford

FO:458:2:D2957

My commission expires with life



BY TH
orga
rec
F

APOSTILLE

(Hague Convention of 5 October 1961 / Convention de La Haye du 5 octobre 1961)

UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND

1. Country: United Kingdom of Great Britain and Northern Ireland
Pays: Royaume-Uni de Grande-Bretagne et d'Irlande du Nord

This public document / Le présent acte public

2. Has been signed by A M Jackson
a été signé par
3. Acting in the capacity of Notary Public
agissant en qualité de
4. Bears the seal/stamp of The Said Notary Public
est revêtu du sceau/timbre de

5. at London/à Londres
6. Certified/Attesté
the/le 03 December 2002
7. by Her Majesty's Principal Secretary of State for Foreign and Commonwealth Affairs /
par le Secrétaire d'Etat Principal de Sa Majesté aux Affaires Etrangères et du Commonwealth.

8. Number/sous No **G068426**

9. Stamp:
timbre:
10. Signature: J. M. A. Mason



For the Secretary of State / Pour le Secrétaire d'Etat

SYNGENTA LIMITED POWER OF ATTORNEY

BY THIS POWER OF ATTORNEY SYNGENTA LIMITED a Company duly organised and existing under and by virtue of the laws of England and having its registered office at Syngenta, European Regional Centre, Priestley Road, Surrey Research Park, Guildford, Surrey GU2 7YH, United Kingdom (hereinafter called "the Company")

(A) **HEREBY** nominates constitutes and appoints

<p> ALLEN Rose; AMATO Antonio; ANDREWS Christopher Dr; BASTIAN Werner Dr; BIDDLE Jennifer; BIONDINI Flavio; BLIND Valerie; BOWDICH Julie; BUTLER James Dr; CALLAGY Shelley; CERONI Jocelyne; CHANDLER Joanna; CLAUSWITZ Kai-Uwe Dr; COLLINS Jane; DAMMANN Michael; DOWLING Clare; EBINGER-ZOELD Cornelia; ELLIOTT Kathryn Dr; EMMENEGGER Alice; FEEHAN Jessica; FELIX Franz Dr; FLATTERY Marian; FRAINIER Lea; GRIMM Marie-Christine; GUERNE Patrice; GAAL Jozsef Dr; HARDY Melissa ; HAUGG Rudolf ; HAMILTON Thomas ; HAYES Laneisha ; HOFMANN Joachim ; HOHENBERGER Klaus Dr ; HOELSCHER Ingo Dr ; HOLDER Susan; HOUGHTON Malcolm; </p>	<p> HUSKISSON Frank; KAKEFUDA Mary; LEBEL Edouard Dr; LEE Michael; MORTON Marcia Dr; NOLAN James; OSBORN Martin Dr; PALMER Sarah Dr; PETERS Cassandra; ROEHRL Gerhard Dr; RICKS Michael Dr; RUDD Ann ; SCHILLER Cornelia ; SCHWARTZ Randee; SHIRLING Pamela; SITZLER-SPICHER Lilly; SOUTHERN David; SMOLDERS Walter; STEHLI VOGLER Helene; STEHLIN Astrid; STEINER Katrin; STULTS Larry Dr; SWIFT Jane; TARRY Anne; TEOLI William; TORCHIA Timothy Dr; VOEGELI-LANGE Regina Dr; VRANA Bruce; WAESPE Hans-Rudolf Dr; WARD Steven; WARREN Greg; WATERMAN Richard; WEICHSEL Christian Dr; WRIGHT Kimberly; YATES Michael; ZELLINGER James </p>
--	--

to be the true and lawful Attorneys of the Company (hereinafter referred to as "the Attorneys") for and on behalf of the Company jointly and severally to act throughout the world in the matters set out below relating to applications for Patents for Inventions (which terms shall include certificates of supplementary protection inventorship certificates and the like) (hereinafter referred to as "Patents") and to the registration of Designs, Design Rights, Utility Models, Plant Variety Rights and equivalent rights and Copyright (hereinafter referred to as "Other Intellectual Property") already filed or hereafter to be filed in the name of the Company (whether solely or jointly with one or more other parties) that is to say

- (1) to prepare and file all documents, requests and declarations for obtaining the grant of Patents and extensions of term thereof, and for obtaining and maintaining the registration of Other Intellectual Property; including power to sign and execute applications for European Patents and to sign and execute all other documents pursuant to all proceedings established by the European Patent Convention; including power to sign and execute applications under the Patent Cooperation Treaty and to sign and execute all other documents pursuant to all proceedings established by the Patent Cooperation Treaty
- (2) to apply for and obtain any certificates of registration and renewal;
- (3) to pay the lawful fees and taxes and receive all official certificates;
- (4) to recover any documents relating to any such applications as aforesaid as well as any fees and taxes that may have been paid;
- (5) to apply for copies or duplicates of any official certificates;
- (6) to appoint and instruct any Counsel, Solicitor, Patent Attorney or other professional representative or agent (whether or not an employee of the Company) to represent the Company in any and all matters relating to the application for, prosecution, maintenance, renewal, amendment, cancellation or abandonment of Patents and Other Intellectual Property belonging to the Company including the defence of oppositions or petitions for revocation or cancellation or like proceedings respecting such Patents and Other Intellectual Property belonging to other parties and to revoke and cancel all or any such appointments and instructions;

AND GENERALLY to do, sign, execute, give and accept all such deeds, documents, acts, notices, requisitions, communications and things as may be necessary for all or any of the purposes aforesaid; and

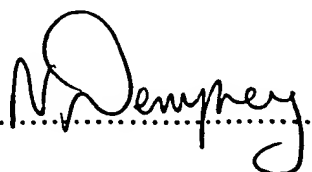
(B) **HEREBY** confirms and ratifies and, for itself and its successors and assigns, covenants to confirm and ratify whatsoever the Attorneys jointly or severally shall lawfully do or cause to be done by virtue of those presents.

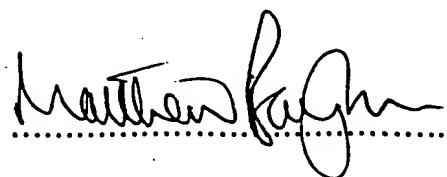
(C) **HEREBY REVOKES** the Power of Attorney dated 1st July 2002.

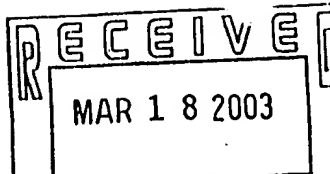
This Power of Attorney shall cease to have effect on 31 December 2003. The Company may revoke this Power of Attorney in respect of any individual Attorney before 31 December 2003 by giving that person notice of revocation in writing.

IN WITNESS whereof this power of attorney has been executed as a deed this
2 day of NOVEMBER 2002.

Signed as a Deed by **SYNGENTA LIMITED**

..........COMPANY DIRECTOR

..........COMPANY SECRETARY



10-27-2000 URGENT
PATENT DEPT. (RTP, NC)

FORM PTO-1595
(Rev. 6-93)
OMB No. 0651-0011 (exp. 4/94)
Docket No. PPD 50288/UST

REC



101498373

DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies).

8-11-00

Ian JEPSON, Chengcai CHU, Nan QU and
Uwe SONNEWALD

2. Name and address of receiving party(ies):

ZENECA Limited
15 Stanhope Gate
London W1Y 6LN, England

Additional name(s) of conveying party(ies) attached? ☐ yes ☒ no

3. Nature of Conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other
Execution Date: June 9, 19, 2000 and July 3, 2000

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 09/581,036

B. Patent No.(s)

Additional numbers attached?

☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: ZENECA Ag Products Inc.
Internal Address: Kathy L. Crew (DCC II 2nd)
Procedural Law Coordinator
Street Address: 1800 Concord Pike
P.O. Box 15458
City: Wilmington State: DE ZIP: 19850-5458

6. Total number of applications and patents involved: [1]

7. Total Fee (37 CFR 3.41): \$40.00

☐ Enclosed
☒ Authorized to be charged to deposit account
☐ No Fee

8. Deposit Account Number:

09-0013

(Attach duplicate copy of this page if paying by deposit account.)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document

Liza D. Hohenschutz
Name

Liza D. Hohenschutz
Signature

August 8, 2000
Date

Registration No. 33,712

Total number of pages including cover sheet, attachments, and document: -----

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Box Assignment
Washington, D.C. 20231

PATENT
REEL: 011175 FRAME: 0066

Docket No. (Optional)
PPD 80288/UST

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S),

Ian JEPSON, Nan QU, Uwe SONNEWALD and Chengcai CHU

hereby sell(s), assign(s) and transfer(s) to ASSIGNEE, ZENECA Limited, a company created and existing under the laws of England and Wales, having its Head Office at 15 Stanhope Gate, London, W1Y 8LN England, and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled: GENETIC METHOD

and which is found in

- (a) X U.S. patent application executed on even date herewith;
 (b) — U.S. patent application executed on _____
 (c) — U.S. application serial no. filed;
 (d) X International application no. PCT/GB98/03687;

(d) X International application no. PCT/GB98/03687,
and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters
Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute
thereof, and as to Letters Patent any reissue or reexamination thereof;

ASSIGNOR(S) hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR(S) further covenant(s) that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.

Signed this

3rd day of July, 2000

Ian JEPSON

WITNESS: KD/ole
DATE: 3rd July 2000

WITNESS: 11/1/00
DATE: 3rd July 2000

DATE: 5th July 2000

☒ Additional page(s) are attached hereto.

PATENT
REEL: 011175 FRAME: 0067

Signed this

* 19 day of * June, 2000

WITNESS: * Si
DATE: * 19-06-00

* Chengcai CHU
Chengcai CHU

WITNESS: * Chen
DATE: * 19-6-00

* 9 day of * June, 2000

WITNESS: * J. Hopf
DATE: * 9.6.00

* Nan QU
Nan QU

WITNESS: * [Signature]
DATE: * 9-6-00

* 9 day of * June, 2000

WITNESS: * J. Hopf
DATE: * 9.6.00

* Uwe SONNEWALD
Uwe SONNEWALD

WITNESS: * [Signature]
DATE: * 9-6-00

☐ Additional page(s) are attached hereto.

RECORDED: 08/11/2000

PATENT
REEL: 011175 FRAME: 0068



THE COMPANIES ACT 1985

Company No. 2710846

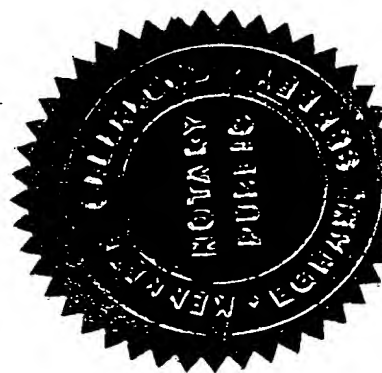
The Registrar of Companies for England and Wales hereby certifies that

SYNGENTA LIMITED (originally called **HACKREMCO (NO.757) LIMITED**, changed its name on 25th September 1992 to **ICI Bioscience Limited**, which was changed on 18th November 1992 to **ZENECA LIMITED**, which was changed on 21st November 2000 to **SYNGENTA LIMITED**, each change having been made by special resolution) was incorporated under the Companies Act 1985 as a limited company on 29th April 1992.

The Registrar further certifies that according to the documents on the file of the company, the situation of the registered office is **SYNGENTA EUROPEAN REGIONAL CENTRE, PRIESTLEY ROAD, SURREY RESEARCH PARK, GUILDFORD, SURREY GU2 7YH.**

EXECUTION
Certified Verified and Authenticated
In The Town Of Egham In Surrey
This 31st July 2002

KENNETH GREENWOOD
NOTARY PUBLIC
HORNE ENGALL AND FREEMAN



Given at Companies House, Cardiff the 24th June 2002

C. Llewellyn
CATHERINE LLEWELLYN

for the Registrar of Companies



Companies House



CERTIFICATE OF INCORPORATION ON CHANGE OF NAME

Company No. 2710846

The Registrar of Companies for England and Wales hereby certifies that

ZENECA LIMITED

having by special resolution changed its name, is now incorporated
under the name of

SYNGENTA LIMITED

Given at Companies House, London, the 21st November 2000

I hereby certify this to be a true
and accurate copy of the original.

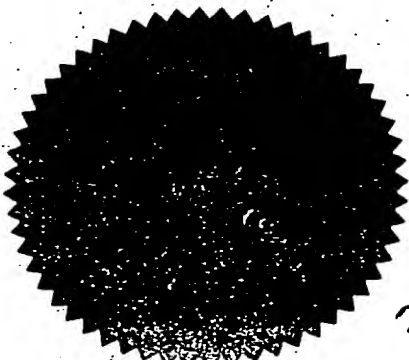
ANTHONY BROOKER
Notary Public

Brooker Grindrod

Suite 3 · Dudley House · Bracknell
Berkshire RG12 1LL
DX: 33603 Bracknell

MR. N. RICHARDS

For The Registrar Of Companies

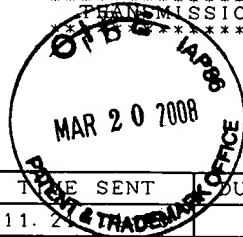


C O M P A N I E S H O U S E

25/10/00

TRANSMISSION REPORT

(FRI) NOV 21 2003 14:25
SYNGENTA PATENT DEPARTMENT



DOCUMENT #	TIME STORED	TIME SENT	DURATION	PAGE(S)	MODE	RESULT
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DESTINATION	DST. TEL #
917038729306	917038729306

syngenta

Bruce Vrana
Senior Patent
Attorney

**Syngenta Biotechnology,
Inc.**
Patent Department
P.O. Box 12257
Research Triangle Park,
North Carolina 27709-
2257

Tel (919) 541-8614
Fax (919) 541-8689
Internet:bruce.vrana
@syngenta.com

Attention United States Patent of: and Trademark Office	From: Bruce Vrana
Company:	Telephone: 919/541-8614
Address:	Telefax: 919/541-8689
Telefax: 703 872-9306	Date: November 14, 2003
No. of 18 pages (including cover sheet)	Re: Letter to the Commissioner, Change of Correspondence Address, Revocation of Power of Attorney, and New Power of Attorney for U.S. Serial No. 09/581,036

THE INFORMATION CONTAINED IN THIS COMMUNICATION IS CONFIDENTIAL, MAY BE ATTORNEY-CLIENT PRIVILEGED, AND IS INTENDED ONLY FOR THE USE OF THE ADDRESSEE. UNAUTHORIZED USE, DISCLOSURE OR COPYING IS STRICTLY PROHIBITED AND MAY BE UNLAWFUL. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE IMMEDIATELY NOTIFY US AT (919) 541-8614 OR AT FAX NUMBER (919) 541-8689



Bruce Vrana
Senior Patent
Attorney

**Syngenta Biotechnology,
Inc.**

Patent Department
P.O. Box 12257
Research Triangle Park,
North Carolina 27709-
2257

Tel (919) 541-8614
Fax (919) 541-8689
Internet:bruce.vrana
@syngenta.com

Attention of:	United States Patent and Trademark Office	From:	Bruce Vrana
Company:		Telephone:	919/541-8614
Address:		Telefax:	919/541-8689
Telefax:	703 872-9306	Date:	November 14, 2003
No. of pages (including cover sheet)	18	Re:	Letter to the Commissioner, Change of Correspondence Address, Revocation of Power of Attorney, and New Power of Attorney for U.S. Serial No. 09/581,036

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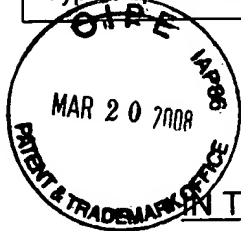
CERTIFICATE OF TRANSMISSION UNDER 37 CF. 1.8

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being facsimile transmitted to the United States Patent and Trademark Office.

Melissa Hardy
Type or print name

Melissa Hardy
Signature

11/21/03
Date



50288/PPDUSPCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.: 09/581,036

FILING DATE: August 8, 2000

FIRST NAMED INVENTOR: Chengcai Chu

EXAMINER: Kallis, Russell

ART UNIT: 1638

TITLE OF INVENTION: Genetic Method

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

LETTER TO THE COMMISSIONER

Sir/Madam:

In a Petition dated October 23, 2003, it was noted that there was no indication that the person who signed the instant petition was ever given power of attorney or authorization of agent to prosecute the above-identified application.

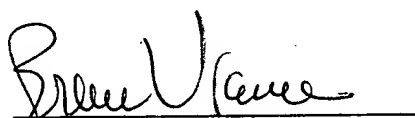
However, Applicant mailed an appropriate power of attorney on April 4, 2003, a copy of which is attached along with the postcard indicating receipt by the United States Patent and Trademark Office. The Change of Correspondence address, Revocation of Power of Attorney, and New Power of Attorney mailed on April 4, 2003 was not recorded in the U.S. Patent and Trademark Office despite acknowledgment of receipt of the paperwork.

Accordingly, Applicant requests entry and recordation of the attached Change of Correspondence Address, Revocation of Power of Attorney, and New Power of Attorney mailed on April 6, 2003.

It is believed that no fees are required, however, please charge any required fees or credit any overpayment to the Syngenta Biotechnology Inc. Deposit Account No. 50-1744.

If the Examiner has any questions or requires further information, please contact the undersigned.

Respectfully Submitted,

A handwritten signature in dark ink, appearing to read "Bruce Vrana", written over a horizontal line.

Bruce Vrana
Reg. No. 38,672
Attorney for Applicant

Syngenta Biotechnology Inc.
P.O. Box 12257
3054 Cornwallis Road
Research Triangle Park, NC 27709

Phone (919) 541-8614
Fax (919) 541-8689

Date: 11/21/03



Case No. 50288/PPDUWPLT

Application No. 09/581,036

Mailing Date: April 4, 2003 APR 09 2003

Due Date: _____

Express Mail No.: _____

The Patent & Trademark Office acknowledges, and has assigned _____ hereon the date of receipt of the items checked below:

☒ Filing by First Class Mail Under 37 CFR 1.8

☐ Application Filing Papers - Fee \$ _____

☐ PCT National Stage

☐ Provisional Application

☐ CPA ☐ DIV ☐ CONT ☐ CIP

☐ Specification _____ Pg's

☒ Verification of Power of Attorney or

☒ Assignment Rec. Req. Authorization of Agent

☐ Preliminary Amendment _____ Pg's

☐ Claim of Priority ☐ Certified Copy(s)

☒ Change of Correspondence Address -

☒ Application

☐ Notice of Appeal - Fee \$ _____

☐ Appeal Brief - Fee \$ _____

☒ Statement Under 37 CFR 3.73(b)

☐ Issue Fee Payment \$ _____

☐ Assignment Rec. Req. - Fee \$ _____

☐ Formal Drawings _____ Pg's

☒ Certified Copy of Syngenta Limited

☒ Power of Attorney

☐ PTO 1449 Form _____ Pg's

☐ Petition for Extension of Time - Fee \$ _____

☒ Copy of Notice of Recommendation of

☒ Assignment for US Serial No. 09/581,036

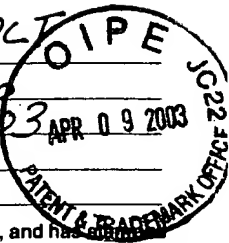
☐ Seq. Listings _____ Pg's/Seq. Disk

☐ Credit Card Payment Form

☒ Certified Copy of the Certificate of

☒ Incorporation or Change of Name

☒ Initials for Company Number 2710846





POSTING BY "FIRST CLASS MAIL" UNDER 37 § C.F.R. 1.8

I hereby certify that the following correspondence is being deposited with the United States Postal Service as "First Class Mail" with proper postage in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on the date indicated below.

- 1) Change of Correspondence Address (Application)
- 2) Revocation of Power of Attorney or Authorization of Agent
- 3) Certified Copy of the Syngenta Limited Power of Attorney dated November 2, 2002
- 4) Statement Under 37 CFR 3.73(b)
- 5) Copy of the Notice of Recordation of Assignment for U.S. Serial No. 09/581,036
- 6) Certified Copy of the Certificate of Incorporation on Change of Name for Company Number 2710846 dated November 21, 2000
- 7) Return Postcard

Melissa Hardy

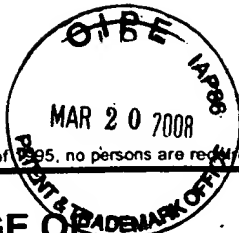
Name

Melissa Hardy

Signature

April 4, 2003

Date

**CHANGE OF
CORRESPONDENCE ADDRESS**
*Application*Address to:
Assistant Commissioner for Patents
Washington, D.C. 20231

Application Number	09/581,036
Filing Date	8/8/2000
First Named Inventor	Chu
Art Unit	1638
Examiner Name	Kallis, Russell
Attorney Docket Number	50288/PPDUSFCT

Please change the Correspondence Address for the above-identified application to:



Customer Number

022847.

Type Customer Number here

Place Customer
Number Bar Code
Label here

OR

Firm or
Individual Name

Address

Address

City

State

ZIP

Country

Telephone

Fax

This form cannot be used to change the data associated with a Customer Number. To change the data associated with an existing Customer Number use "Request for Customer Number Data Change" (PTO/SB/124).

I am the :



Applicant/Inventor.



Assignee of record of the entire interest.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).



Attorney or Agent of record.



Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration. See 37 CFR 1.33(a)(1). Registration Number _____

Typed or Printed
Name

Bruce Vrana for Syngenta Limited

Signature

Date

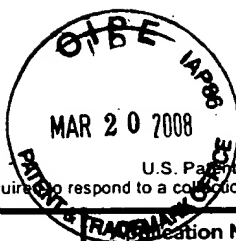
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.



*Total of 1 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →



PTO/SS82 (10-00)

Approved for use through 10/31/2002. OME 1651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

REVOCATION OF POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	09/581,036
Filing Date	8/8/2000
First Named Inventor	Chu
Group Art Unit	1638
Examiner Name	Kallis, Russell
Attorney Docket Number	50288/PPDUSPCT

I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application:

☒ A Power of Attorney or Authorization of Agent is submitted herewith.

OR

☐ Please change the correspondence address for the above-identified application to:

☐ Customer Number



Place Customer
Number Bar Code
Label here

OR

☐ Firm or
Individual Name

Address

Address

City

Country

State

ZIP

Telephone

Fax

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB196)

SIGNATURE of Applicant or Assignee of Record

Name

Bruce Vrana for Syngenta Limited

Signature

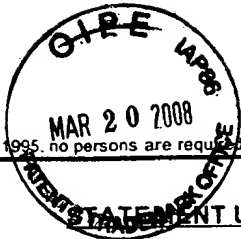
Date

4/4/03

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ Total of 1 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Zeneca Limited
Application No./Patent No.: 09/581,036 Filed/Issue Date: 8/8/2000
Entitled: Genetic Method
Zeneca Limited, a corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by, percentage) of its ownership interest is _____ %
in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 011175, Frame 0066, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.
[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

4/4/03
Date

Bruce Vrana for Syngenta Limited

Typed or printed name

Bruce Vrana
Signature

Senior Patent Attorney

Title



TO ALL TO WHOM THESE PRESENTS shall come
I, **ANDREW MICHAEL JACKSON**, Notary Public by
Royal Authority duly admitted and sworn practising at
Guildford in the County of Surrey in the United
Kingdom of Great Britain and Northern Ireland

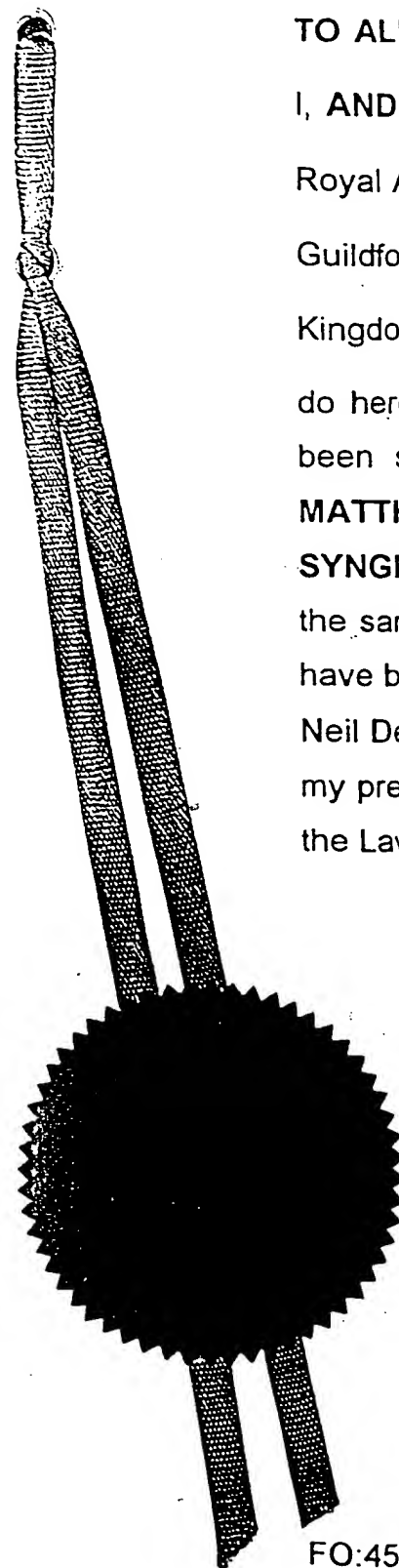
do hereby certify that the Power of Attorney annexed hereto has
been signed as a Deed by **NEIL DEMPSEY** a Director and
MATTHEW DAVID BAYLISS the Secretary on behalf of
SYNGENTA LIMITED a company registered in England and that
the same "N Dempsey" and "Matthew Bayliss" thereto subscribed
have been compared with specimens of the signatures of the said
Neil Dempsey and Matthew David Bayliss held by me and made in
my presence AND THAT the Deed so signed is in accordance with
the Law of England and Wales and binding on the Company

IN FAITH AND TESTIMONY
whereof I have hereunto
subscribed my name and affixed
my Seal of Office this 20th day of
November in the year of Our Lord
Two thousand and two

Notary Public
Guildford

FO:458:2:D2957

My commission expires with life



BY TH
orga
ref
F

APOSTILLE

(Hague Convention of 5 October 1961 / Convention de La Haye du 5 octobre 1961)

UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND

1. Country: United Kingdom of Great Britain and Northern Ireland
Pays: Royaume-Uni de Grande-Bretagne et d'Irlande du Nord

This public document / Le présent acte public

2. Has been signed by A M Jackson
a été signé par

3. Acting in the capacity of Notary Public
agissant en qualité de

4. Bears the seal/stamp of The Said Notary Public
est revêtu du sceau/timbre de

5. at London/à Londres

Certified/Attesté
6. the/le 03 December 2002

7. by Her Majesty's Principal Secretary of State for Foreign and Commonwealth Affairs /
par le Secrétaire d'Etat Principal de Sa Majesté aux Affaires Etrangères et du Commonwealth.

8. Number/sous No **G068426**

9. Stamp:
timbre:

10. Signature: J. M. A. Mason



For the Secretary of State / Pour le Secrétaire d'Etat

SYNGENTA LIMITED POWER OF ATTORNEY

BY THIS POWER OF ATTORNEY SYNGENTA LIMITED a Company duly organised and existing under and by virtue of the laws of England and having its registered office at Syngenta, European Regional Centre, Priestley Road, Surrey Research Park, Guildford, Surrey GU2 7YH, United Kingdom (hereinafter called "the Company")

(A) **HEREBY** nominates constitutes and appoints

<p>ALLEN Rose; AMATO Antonio; ANDREWS Christopher Dr; BASTIAN Werner Dr; BIDDLE Jennifer; BIONDINI Flavio; BLIND Valerie; BOWDICH Julie; BUTLER James Dr; CALLAGY Shelley; CERONI Jocelyne; CHANDLER Joanna; CLAUSWITZ Kai-Uwe Dr; COLLINS Jane; DAMMANN Michael; DOWLING Clare; EBINGER-ZOELD Cornelia; ELLIOTT Kathryn Dr; EMMENEGGER Alice; FEEHAN Jessica; FELIX Franz Dr; FLATTERY Marian; FRANIER Lea; GRIMM Marie-Christine; GUERNE Patrice; GAAL Jozsef Dr; HARDY Melissa ; HAUGG Rudolf ; HAMILTON Thomas ; HAYES Laneisha ; HOFMANN Joachim ; HOHENBERGER Klaus Dr ; HOELSCHER Ingo Dr ; HOLDER Susan; HOUGHTON Malcolm;</p>	<p>HUSKISSON Frank; KAKEFUDA Mary; LEBEL Edouard Dr; LEE Michael; MORTON Marcia Dr; NOLAN James; OSBORN Martin Dr; PALMER Sarah Dr; PETERS Cassandra; ROEHRL Gerhard Dr; RICKS Michael Dr; RUDD Ann ; SCHILLER Cornelia ; SCHWARTZ Randee; SHIRLING Pamela; SITZLER-SPICHER Lilly; SOUTHERN David; SMOLDERS Walter; STEHLI VOGLER Helene; STEHLIN Astrid; STEINER Katrin; STULTS Larry Dr; SWIFT Jane; TARRY Anne; TEOLI William; TORCHIA Timothy Dr; VOEGELI-LANGE Regina Dr; VRANA Bruce; WAESPE Hans-Rudolf Dr; WARD Steven; WARREN Greg; WATERMAN Richard; WEICHSEL Christian Dr; WRIGHT Kimberly; YATES Michael; ZELLINGER James</p>
--	---

AND GENERALLY to do, sign, execute, give and accept all such deeds, documents, acts, notices, requisitions, communications and things as may be necessary for all or any of the purposes aforesaid; and

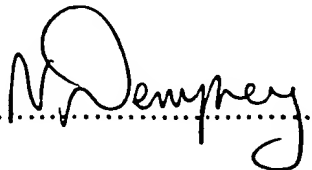
(B) **HEREBY** confirms and ratifies and, for itself and its successors and assigns, covenants to confirm and ratify whatsoever the Attorneys jointly or severally shall lawfully do or cause to be done by virtue of those presents.

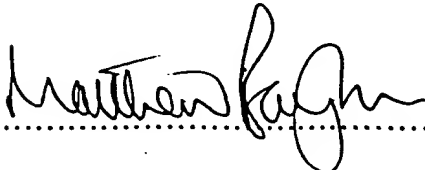
(C) **HEREBY REVOKES** the Power of Attorney dated 1st July 2002.

This Power of Attorney shall cease to have effect on 31 December 2003. The Company may revoke this Power of Attorney in respect of any individual Attorney before 31 December 2003 by giving that person notice of revocation in writing.

IN WITNESS whereof this power of attorney has been executed as a deed this
2 day of NOVEMBER 2002.

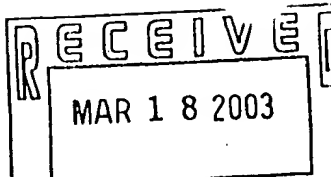
Signed as a Deed by **SYNGENTA LIMITED**

.....COMPANY DIRECTOR

.....COMPANY SECRETARY

to be the true and lawful Attorneys of the Company (hereinafter referred to as "the Attorneys") for and on behalf of the Company jointly and severally to act throughout the world in the matters set out below relating to applications for Patents for Inventions (which terms shall include certificates of supplementary protection inventorship certificates and the like) (hereinafter referred to as "Patents") and to the registration of Designs, Design Rights, Utility Models, Plant Variety Rights and equivalent rights and Copyright (hereinafter referred to as "Other Intellectual Property") already filed or hereafter to be filed in the name of the Company (whether solely or jointly with one or more other parties) that is to say

- (1) to prepare and file all documents, requests and declarations for obtaining the grant of Patents and extensions of term thereof, and for obtaining and maintaining the registration of Other Intellectual Property; including power to sign and execute applications for European Patents and to sign and execute all other documents pursuant to all proceedings established by the European Patent Convention; including power to sign and execute applications under the Patent Cooperation Treaty and to sign and execute all other documents pursuant to all proceedings established by the Patent Cooperation Treaty
- (2) to apply for and obtain any certificates of registration and renewal;
- (3) to pay the lawful fees and taxes and receive all official certificates;
- (4) to recover any documents relating to any such applications as aforesaid as well as any fees and taxes that may have been paid;
- (5) to apply for copies or duplicates of any official certificates;
- (6) to appoint and instruct any Counsel, Solicitor, Patent Attorney or other professional representative or agent (whether or not an employee of the Company) to represent the Company in any and all matters relating to the application for, prosecution, maintenance, renewal, amendment, cancellation or abandonment of Patents and Other Intellectual Property belonging to the Company including the defence of oppositions or petitions for revocation or cancellation or like proceedings respecting such Patents and Other Intellectual Property belonging to other parties and to revoke and cancel all or any such appointments and instructions;



10-27-2000

INVENTA
PATENT DEPT. (RTP, NC)DEPARTMENT OF COMMERCE
Patent and Trademark Office

FORM PTO-1595

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

Docket No. PPD 50288/UST

REC



101498373

To the Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Ian JEPSON, Chengcai CHU, Nan QU and
Uwe SONNEWALD

2. Name and address of receiving party(ies):

ZENECA Limited
15 Stanhope Gate
London W1Y 6LN, EnglandAdditional name(s) of conveying party(ies) attached? ☐ yes ☒ no

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: June 9, 19, 2000 and July 3, 2000

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 09/581,036

B. Patent No.(s)

Additional numbers attached?

☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: ZENECA Ag Products Inc.
Internal Address: Kathy L. Crew (DCC II 2nd)
Procedural Law Coordinator
Street Address: 1800 Concord Pike
P.O. Box 15458
City: Wilmington State: DE ZIP: 19850-5458

6. Total number of applications and patents involved: [1]

7. Total Fee (37 CFR 3.41): \$40.00

- ☐ Enclosed
☒ Authorized to be charged to deposit account
☐ No Fee

8. Deposit Account Number:

09-0013

(Attach duplicate copy of this page if paying by deposit account.)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document

Liza D. Hohenschutz
Name

Signature

August 8, 2000
Date

Registration No. 33,712

Total number of pages including cover sheet, attachments and documents: -----

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Box Assignment
Washington, D.C. 20231PATENT
REEL: 011175 FRAME: 0066

PATENT APPLICATION

Docket No. (Optional)
PPD 50288/UST

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S).

Ian JEPSON, Nan QU, Uwe SONNEWALD and Chongcal CHU

hereby sell(s), assign(s) and transfer(s) to ASSIGNEE, ZENECA Limited, a company created and existing under the laws of England and Wales, having its Head Office at 15 Stanhope Gate, London, W1Y 6LN England, and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled: GENETIC METHOD

and which is found in

- (a) ☒ U.S. patent application executed on even date herewith;
(b) ☐ U.S. patent application executed on _____;
(c) ☐ U.S. application serial no. filed;
(d) ☒ International application no. PCT/GB98/03687;

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to Letters Patent any reissue or reexamination thereof;

ASSIGNOR(S) hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR(S) further covenant(s) that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.

Signed this

3rd day of July, 2000

Ian JEPSON

WITNESS: KD Lole

DATE: 3rd July 2000

WITNESS: ICAN

DATE: 3rd July 2000

☒ Additional page(s) are attached hereto.

PATENT
REEL: 011175 FRAME: 0067

Signed this

* 19 day of June, 2000

* Chengcai CHU
Chengcai CHU

WITNESS: * Si
DATE: * 19-06-00

WITNESS: * Chen
DATE: * 19-6-00

* 9 day of June, 2000

* Nan QU
Nan QU

WITNESS: * J. Hoff
DATE: * 9.6.00

WITNESS: * [Signature]
DATE: * 9-6-00

* 9 day of June, 2000

* Uwe SONNEWALD
Uwe SONNEWALD

WITNESS: * J. Hoff
DATE: * 9.6.00

WITNESS: * [Signature]
DATE: * 9-6-00

☐ Additional page(s) are attached hereto.

RECORDED: 08/11/2000

PATENT
REEL: 011175 FRAME: 0068



THE COMPANIES ACT 1985

Company No. 2710846

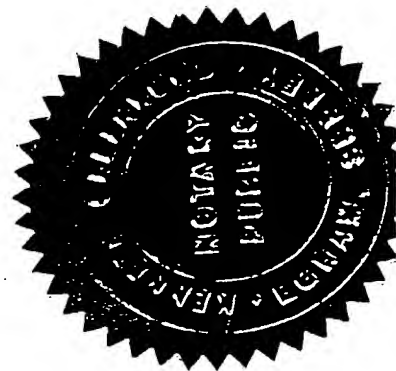
The Registrar of Companies for England and Wales hereby certifies that

SYNGENTA LIMITED (originally called HACKREMCO (NO.757) LIMITED, changed its name on 25th September 1992 to ICI Bioscience Limited, which was changed on 18th November 1992 to ZENECA LIMITED, which was changed on 21st November 2000 to SYNGENTA LIMITED, each change having been made by special resolution) was incorporated under the Companies Act 1985 as a limited company on 29th April 1992.

The Registrar further certifies that according to the documents on the file of the company, the situation of the registered office is SYNGENTA EUROPEAN REGIONAL CENTRE, PRIESTLEY ROAD, SURREY RESEARCH PARK, GUILDFORD, SURREY GU2 7YH.

EXECUTION
Certified Verified and Authenticated
In The Town Of Egham In Surrey
This 31st Day Of July 2002

KENNETH GREENWOOD
NOTARY PUBLIC
HORNE ENGALL AND FREEMAN



Given at Companies House, Cardiff the 24th June 2002

C. Llewellyn
CATHERINE LLEWELLYN

for the Registrar of Companies



Companies House



CERTIFICATE OF INCORPORATION ON CHANGE OF NAME

Company No. 2710846

The Registrar of Companies for England and Wales hereby certifies that

ZENECA LIMITED

having by special resolution changed its name, is now incorporated
under the name of

SYNGENTA LIMITED

Given at Companies House, London, the 21st November 2000

I hereby certify this to be a true
and accurate copy of the original.

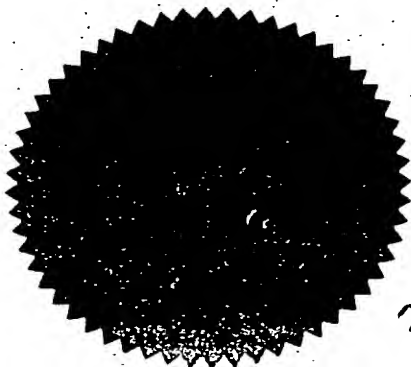
ANTHONY BROOKER
Notary Public

Brooker Grindrod

Suite 3 · Dudley House · Bracknell
Berkshire RG12 1LL
DX: 33603 Bracknell

MR. N. RICHARDS

For The Registrar Of Companies



C O M P A N I E S H O U S E

25/11/00

TRANSMISSION REPORT

(WED) JAN 24 2007 12:42
SYNGENTA PATENT DEPARTMENT

DOCUMENT #	TIME STORED	TIME SENT	DURATION	PAGE(S)	MODE	RESULT
4861449-235	1. 24 12:38	1. 24 12:38	3' 19"	20	ECM	OK

DESTINATION	DST. TEL #
571 273 0459	915 71 273 0459



Melissa Hardy
Paralegal

30540 Cornwallis Road
Post Office Box 12257
Research Triangle Park,
North Carolina 27709-2257
www.syngenta.com

Tei. 919 541 8671
Fax 919 541 8689
melissa.hardy@syngenta.com



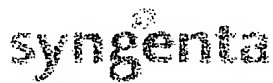
Fax

To	Charles Smoot PCT Legal	Date:	January 24, 2007
Fax No:	571 273 0459	Number of pages:	19
Concerning	In response to your request, attached is the Third Request for Change of Correspondence Address and Revocation of Power of Attorney (originally faxed on 2 February 2006) for U.S. Serial No. 09/581,036. Please process.		

Melissa Hardy
Paralegal

30540 Cornwallis Road
Post Office Box 12257
Research Triangle Park,
North Carolina 27709-2257
www.syngenta.com

Tel. 919 541 8671
Fax 919 541 8689
melissa.hardy@syngenta.com



Fax

To	Charles Smoot PCT Legal	Date:	January 24, 2007
Fax No:	571 273 0459	Number of pages:	19
Concerning	In response to your request, attached is the Third Request for Change of Correspondence Address and Revocation of Power of Attorney (originally faxed on 2 February 2006) for U.S. Serial No. 09/581,036. Please process.		

TRANSMISSION REPORT

(THU) FEB 2 2006 15:01
SYNGENTA PATENT DEPARTMENT

DOCUMENT #	TIME STORED	TIME SENT	DURATION	PAGE(S)	MODE	RESULT
4861449-476	2. 2 14:57	2. 2 14:57	3' 02"	18	ECM	OK

DESTINATION	DST. TEL #
915712730459	915712730459

Bruce Vrana
Senior Patent Attorney

30540 Cornwallis Road
Post Office Box 12257
Research Triangle Park,
North Carolina 27709-2257
www.syngenta.com

Tel. 919 541 8614
Fax 919 541 8689
bruce.vrana@syngenta.com

syngenta

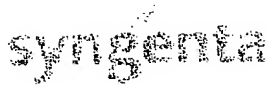
Fax

To	PCT Legal Division	Date:	February 2, 2006
Fax No:	571 273 0459	Number of pages:	18
Concerning	Third Request for Change of Correspondence Address and Revocation of Power of Attorney for U.S. Serial No. 09/581,036		

Bruce Vrana
Senior Patent Attorney

30540 Cornwallis Road
Post Office Box 12257
Research Triangle Park,
North Carolina 27709-2257
www.syngenta.com

Tel. 919 541 8614
Fax 919 541 8689
bruce.vrana@syngenta.com



Fax

To	PCT Legal Division	Date:	February 2, 2006
Fax No:	571 273 0459	Number of pages:	18
Concerning	Third Request for Change of Correspondence Address and Revocation of Power of Attorney for U.S. Serial No. 09/581,036		

CERTIFICATE OF TRANSMISSION UNDER 37 CFR 1.8

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being facsimile transmitted to the United States Patent and Trademark Office.

Melissa Hardy

Type or print name

Melissa Hardy
Signature

2/2/2006
Date

PPD50288UST

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.: 09/581,036

FILING DATE: August 8, 2000

FIRST NAMED INVENTOR: Chengcai Chu

ART UNIT: 1638

TITLE OF INVENTION: Genetic Method

Mail Stop PCT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**THIRD REQUEST FOR CHANGE OF CORRESPONDENCE ADDRESS AND
REVOCATION OF POWER OF ATTORNEY**

Sir/Madam:

Applicant submits a THIRD request for a change in the correspondence address and revocation of power of attorney in the above-identified application.

Applicant mailed an appropriate power of attorney on April 4, 2003, a copy of which is attached along with the postcard indicating receipt by the United States Patent and Trademark Office. The Change of Correspondence address, Revocation of Power of Attorney, and New Power of Attorney mailed on April 4, 2003 was not recorded in the U.S. Patent and Trademark Office despite acknowledgment of receipt of the paperwork.

Applicant also faxed to the U.S. Patent and Trademark Office on November 21, 2003 a Letter to the Commissioner and a copy of the Change of Correspondence address, Revocation of Power of Attorney, and New Power of Attorney mailed on April 4, 2003 in a second attempt to record the change of

correspondence address and revocation of power of attorney in the above-identified application.

Further, Applicant was referred by the PCT Help Desk to Supervisor Donna S. Greene on January 10, 2006 to inquire about the status of the change of correspondence address and revocation of power of attorney since the PCT Help Desk could not handle the request. Applicant left messages on Examiner Greene's voice mail on January 10, 2006 and January 16, 2006 to inquire about the status of the change of correspondence address and revocation of power of attorney. Applicant's messages were not returned by Ms. Greene.

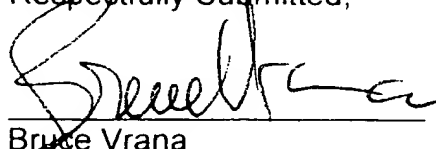
Accordingly, due to failed efforts by the U.S. Patent and Trademark Office to record the change of correspondence address and revocation of power of attorney, Applicant was advised by the PCT Help Desk on February 2, 2006 to submit a third request for a change of correspondence address and revocation of power of attorney to the PCT Legal division.

Applicant requests entry and recordation of the attached Change of Correspondence Address, Revocation of Power of Attorney, and New Power of Attorney mailed on April 6, 2003.

It is believed that no fees are required, however, please charge any required fees or credit any overpayment to the Syngenta Biotechnology Inc. Deposit Account No. 50-1744.

If the Examiner has any questions or requires further information, please contact the undersigned.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read "Bruce Vrana", written over a horizontal line.

Bruce Vrana
Reg. No. 38,672
Attorney for Applicant

Syngenta Biotechnology Inc.
3054 Cornwallis Road
Research Triangle Park, NC 27709

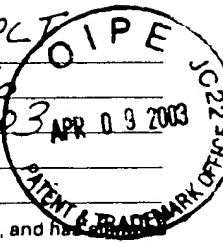
Phone (919) 541-8614
Fax (919) 541-8689

Date: February 2, 2006

Case No. 50288/PPDUSPLT
Application No. 09/581,036
Mailing Date: April 4, 2003 APR 09 2003
Due Date: _____
Express Mail No.: _____

The Patent & Trademark Office acknowledges, and has received, hereon the date of receipt of the items checked below:

- ☒ Filing by First Class Mail Under 37 CFR 1.8
☐ Application Filing Papers - Fee \$ _____
☐ PCT National Stage
☐ Provisional Application
☐ CPA ☐ DIV ☐ CONT ☐ CIP
☐ Specification _____ Pg's
☒ Declaration of Power of Attorney or Authorization of Agent
☐ Missing Pencil Missing Req. Authorization of Agent
☐ Preliminary Amendment _____ Pg's
☐ Claim of Priority ☐ Certified Copy(s)
☒ Change of Correspondence Address - Application
☐ Notice of Appeal - Fee \$ _____
☐ Appeal Brief - Fee \$ _____
☒ Statement Under 37 CFR 3.73(b)
☐ Issue Fee Payment \$ _____
☐ Assignment Rec. Req. - Fee \$ _____
☐ Formal Drawings _____ Pg's
☒ Certified Copy of Syngenta Limited
☐ Power of Attorney
☐ PTO 1449 Form _____ Pg's
☐ Petition for Extension of Time - Fee \$ _____
☒ Copy of Notice of Reexamination of
☒ Assignment for US Serial No. 09/581,036
☐ Seq. Listings _____ Pg's/Seq. Disk
☐ Credit Card Payment Form
☒ Certified Copy of the Certificate of Incorporation on Change of Name
BY Initials for Company Number 2718846



FILING BY "FIRST CLASS MAIL" UNDER 37 § C.F.R. 1.8

I hereby certify that the following correspondence is being deposited with the United States Postal Service as "First Class Mail" with proper postage in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on the date indicated below.

- 1) Change of Correspondence Address (Application)
- 2) Revocation of Power of Attorney or Authorization of Agent
- 3) Certified Copy of the Syngenta Limited Power of Attorney dated November 2, 2002
- 4) Statement Under 37 CFR 3.73(b)
- 5) Copy of the Notice of Recordation of Assignment for U.S. Serial No. 09/581,036
- 6) Certified Copy of the Certificate of Incorporation on Change of Name for Company Number 2710846 dated November 21, 2000
- 7) Return Postcard

Melissa Hardy

Name

Melissa Hardy

Signature

April 4, 2003

Date

CHANGE OF CORRESPONDENCE ADDRESS Application

Address to:
Assistant Commissioner for Patents
Washington, D.C. 20231

Application Number	09/581,036
Filing Date	8/8/2000
First Named Inventor	Chu
Art Unit	1638
Examiner Name	Kallis, Russell
Attorney Docket Number	50288/PPDUSFCT

Please change the Correspondence Address for the above-identified application to:



Customer Number

022847

Type Customer Number here

Place Customer
Number Bar Code
Label here

OR



Firm or
Individual Name

Address

Address

City

State

ZIP

Country

Telephone

Fax

This form cannot be used to change the data associated with a Customer Number. To change the data associated with an existing Customer Number use "Request for Customer Number Data Change" (PTO/SB/124).

I am the :



Applicant/Inventor.



Assignee of record of the entire interest.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).



Attorney or Agent of record.



Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration. See 37 CFR 1.33(a)(1). Registration Number _____

Typed or Printed
Name

Bruce Vrana for Syngenta Limited

Signature

Bruce Vrana

Date

4/4/03

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.



Total of 1 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → +

PTO/S3.82 (1C-00)

Approved for use through 10/31/2002. OME :651-C035

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

REVOCATION OF POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	09/581,036
Filing Date	8/8/2000
First Named Inventor	Chu
Group Art Unit	1638
Examiner Name	Kallis, Russell
Attorney Docket Number	50288/PPDUSPCT

I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application:

☒ A Power of Attorney or Authorization of Agent is submitted herewith.

OR

☐ Please change the correspondence address for the above-identified application to:

☐ Customer Number



Place Customer
Number Bar Code
Label here

OR

☐ Firm or
Individual Name

Address

Address

City

Country

State

ZIP

Telephone

Fax

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

Name

Bruce Vrana for Syngenta Limited

Signature

Date

4/4/03

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ Total of 1 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Zeneca LimitedApplication No./Patent No.: 09/581,036 Filed/Issue Date: 8/8/2000Entitled: Genetic MethodZeneca Limited, a corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by, percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 011175, Frame 0066, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.

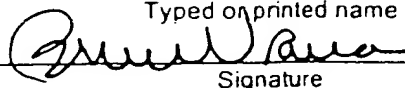
[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

4/4/02
Date

Bruce Vrana for Syngenta Limited

Typed or printed name


Signature

Senior Patent Attorney

Title



TO ALL TO WHOM THESE PRESENTS shall come
I, ANDREW MICHAEL JACKSON, Notary Public by
Royal Authority duly admitted and sworn practising at
Guildford in the County of Surrey in the United
Kingdom of Great Britain and Northern Ireland

do hereby certify that the Power of Attorney annexed hereto has
been signed as a Deed by NEIL DEMPSEY a Director and
MATTHEW DAVID BAYLISS the Secretary on behalf of
SYNGENTA LIMITED a company registered in England and that
the same "N Dempsey" and "Matthew Bayliss" thereto subscribed
have been compared with specimens of the signatures of the said
Neil Dempsey and Matthew David Bayliss held by me and made in
my presence AND THAT the Deed so signed is in accordance with
the Law of England and Wales and binding on the Company

IN FAITH AND TESTIMONY
whereof I have hereunto
subscribed my name and affixed
my Seal of Office this 20th day of
November in the year of Our Lord
Two thousand and two

Notary Public
Guildford

FO:458:2:D2957

My commission expires with life

BY TH
org
re

APOSTILLE

(Hague Convention of 5 October 1961 / Convention de La Haye du 5 octobre 1961)

UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND

1. Country: United Kingdom of Great Britain and Northern Ireland
Pays: Royaume-Uni de Grande-Bretagne et d'Irlande du Nord

This public document / Le présent acte public

2. Has been signed by A M Jackson
a été signé par

3. Acting in the capacity of Notary Public
agissant en qualité de

4. Bears the seal/stamp of The Said Notary Public
est revêtu du sceau/timbre de

5. at London/à Londres

Certified/Attesté
6. the/le 03 December 2002

7. by Her Majesty's Principal Secretary of State for Foreign and Commonwealth Affairs /
par le Secrétaire d'Etat Principal de Sa Majesté aux Affaires Etrangères et du Commonwealth.

8. Number/sous No G068426

9. Stamp:
timbre:

10. Signature: J. M. A. Mason



For the Secretary of State / Pour le Secrétaire d'Etat

**SYNGENTA LIMITED
POWER OF ATTORNEY**

BY THIS POWER OF ATTORNEY SYNGENTA LIMITED a Company duly organised and existing under and by virtue of the laws of England and having its registered office at Syngenta, European Regional Centre, Priestley Road, Surrey Research Park, Guildford, Surrey GU2 7YH, United Kingdom (hereinafter called "the Company")

(A) **HEREBY** nominates constitutes and appoints

<p>ALLEN Rose; AMATO Antonio; ANDREWS Christopher Dr; BASTIAN Werner Dr; BIDDLE Jennifer; BIONDINI Flavio; BLIND Valerie; BOWDICH Julie; BUTLER James Dr; CALLAGY Shelley; CERONI Jocelyne; CHANDLER Joanna; CLAUSWITZ Kai-Uwe Dr; COLLINS Jane; DAMMANN Michael; DOWLING Clare; EBINGER-ZOELD Cornelia; ELLIOTT Kathryn Dr; EMMENEGGER Alice; FEEHAN Jessica; FELIX Franz Dr; FLATTERY Marian; FRANIER Lea; GRIMM Marie-Christine; GUERNE Patrice; GAAL Jozsef Dr; HARDY Melissa ; HAUGG Rudolf ; HAMILTON Thomas ; HAYES Laneisha ; HOFMANN Joachim ; HOHENBERGER Klaus Dr ; HOELSCHER Ingo Dr ; HOLDER Susan; HOUGHTON Malcolm;</p>	<p>HUSKISSON Frank; KAKEFUDA Mary; LEBEL Edouard Dr; LEE Michael; MORTON Marcia Dr; NOLAN James; OSBORN Martin Dr; PALMER Sarah Dr; PETERS Cassandra; ROEHRL Gerhard Dr; RICKS Michael Dr; RUDD Ann ; SCHILLER Cornelia ; SCHWARTZ Randee; SHIRLING Pamela; SITZLER-SPICHER Lilly; SOUTHERN David; SMOLDERS Walter; STEHLI VOGLER Helene; STEHLIN Astrid; STEINER Katrin; STULTS Larry Dr; SWIFT Jane; TARRY Anne; TEOLI William; TORCHIA Timothy Dr; VOEGELI-LANGE Regina Dr; VRANA Bruce; WAESPE Hans-Rudolf Dr; WARD Steven; WARREN Greg; WATERMAN Richard; WEICHSEL Christian Dr; WRIGHT Kimberly; YATES Michael; ZELLINGER James</p>
--	--

to be the true and lawful Attorneys of the Company (hereinafter referred to as "the Attorneys") for and on behalf of the Company jointly and severally to act throughout the world in the matters set out below relating to applications for Patents for Inventions (which terms shall include certificates of supplementary protection inventorship certificates and the like) (hereinafter referred to as "Patents") and to the registration of Designs, Design Rights, Utility Models, Plant Variety Rights and equivalent rights and Copyright (hereinafter referred to as "Other Intellectual Property") already filed or hereafter to be filed in the name of the Company (whether solely or jointly with one or more other parties) that is to say

- (1) to prepare and file all documents, requests and declarations for obtaining the grant of Patents and extensions of term thereof, and for obtaining and maintaining the registration of Other Intellectual Property; including power to sign and execute applications for European Patents and to sign and execute all other documents pursuant to all proceedings established by the European Patent Convention; including power to sign and execute applications under the Patent Cooperation Treaty and to sign and execute all other documents pursuant to all proceedings established by the Patent Cooperation Treaty
- (2) to apply for and obtain any certificates of registration and renewal;
- (3) to pay the lawful fees and taxes and receive all official certificates;
- (4) to recover any documents relating to any such applications as aforesaid as well as any fees and taxes that may have been paid;
- (5) to apply for copies or duplicates of any official certificates;
- (6) to appoint and instruct any Counsel, Solicitor, Patent Attorney or other professional representative or agent (whether or not an employee of the Company) to represent the Company in any and all matters relating to the application for, prosecution, maintenance, renewal, amendment, cancellation or abandonment of Patents and Other Intellectual Property belonging to the Company including the defence of oppositions or petitions for revocation or cancellation or like proceedings respecting such Patents and Other Intellectual Property belonging to other parties and to revoke and cancel all or any such appointments and instructions;

AND GENERALLY to do, sign, execute, give and accept all such deeds, documents, acts, notices, requisitions, communications and things as may be necessary for all or any of the purposes aforesaid; and

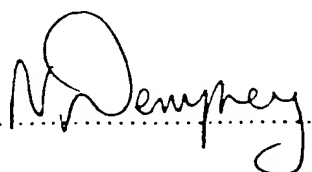
(B) **HEREBY** confirms and ratifies and, for itself and its successors and assigns, covenants to confirm and ratify whatsoever the Attorneys jointly or severally shall lawfully do or cause to be done by virtue of those presents.

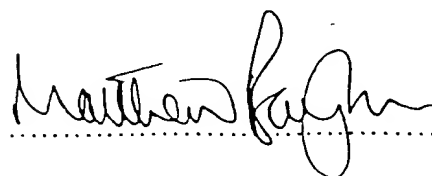
(C) **HEREBY REVOKES** the Power of Attorney dated 1st July 2002.

This Power of Attorney shall cease to have effect on 31 December 2003. The Company may revoke this Power of Attorney in respect of any individual Attorney before 31 December 2003 by giving that person notice of revocation in writing.

IN WITNESS whereof this power of attorney has been executed as a deed this
2 day of NOVEMBER 2002.

Signed as a Deed by **SYNGENTA LIMITED**

.....COMPANY DIRECTOR

.....COMPANY SECRETARY

RECEIVED
MAR 18 2003

10-27-2000

INVENTA
PATENT DEPT. (RTP, NC)

DEPARTMENT OF COMMERCE
Patent and Trademark Office

FORM 170-1595

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

Docket No. PPD 50288/UST

REC



101498373

To the Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

8-11-00

Ian JEPSON, Chengcai CHU, Nan QU and
Uwe SONNEWALD

2. Name and address of receiving party(ies):

ZENECA Limited
15 Stanhope Gate
London W1Y 6LN, England

Additional name(s) of conveying party(ies) attached? ☐ yes ☒ no

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: June 9, 19 2000 and July 3, 2000

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No. (s) 09/581,036

B. Patent No. (s)

Additional numbers attached?

☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: ZENECA Ag Products Inc.
Internal Address: Kathy L. Crew (DCC II 2nd)
Procedural Law Coordinator
Street Address: 1800 Concord Pike
P.O. Box 15458
City: Wilmington State: DE ZIP: 19850-5458

6. Total number of applications and patents involved: [1]

7. Total Fee (37 CFR 3.41): \$40.00

- ☐ Enclosed
☒ Authorized to be charged to deposit account
☐ No Fee

8. Deposit Account Number:

09-0013

(Attach duplicate copy of this page if paying by deposit account.)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document

Liza D. Hohenschultz
Name

Liza D. Hohenschultz
Signature

August 8, 2000
Date

Registration No. 23,712

Total number of pages including cover sheet, attachments, and document: -----

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Box Assignment
Washington, D.C. 20231

PATENT APPLICATION

Docket No. (Optional)
PPD 80289/UST

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S),

Ian JEPSON, Nan QU, Uwe SONNEWALD and Chonocel CHU

hereby sell(s), assign(s) and transfer(s) to ASSIGNEE, ZENECA Limited, a company created and existing under the laws of England and Wales, having its Head Office at 15 Stanhope Gate, London, W1Y 6LN England, and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled: GENETIC METHOD

and which is found in

- (a) ☒ U.S. patent application executed on even date herewith;
- (b) ☐ U.S. patent application executed on _____;
- (c) ☐ U.S. application serial no. filed;
- (d) ☒ International application no. PCT/GB98/03887;

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to Letters Patent any reissue or reexamination thereof;

ASSIGNOR(S) hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR(S) further covenant(s) that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.

Signed this

3rd day of July, 2000

Ian JEPSON

WITNESS: [Signature]

DATE: 3rd July 2000

WITNESS: [Signature]

DATE: 3rd July 2000

☒ Additional page(s) are attached hereto.

Signed this

* 19 day of June, 2000

* Chengcai CHU
Chengcai CHU

WITNESS: * S.
DATE: * 19-06-00

WITNESS: * Chin
DATE: * 19-6-00

* 9 day of June, 2000

* Nan QU
Nan QU

WITNESS: * J. Hoff
DATE: * 9.6.00

WITNESS: * [Signature]
DATE: * 9-6-00

* 9 day of June, 2000

* Uwe SPRINNEWALD
Uwe SPRINNEWALD

WITNESS: * J. Hoff
DATE: * 9.6.00

WITNESS: * [Signature]
DATE: * 9-6-00

☐ Additional page(s) are attached hereto.

RECORDED: 08/11/2000

PATENT
REEL: 011175 FRAME: 0068



THE COMPANIES ACT 1985

Company No. 2710846

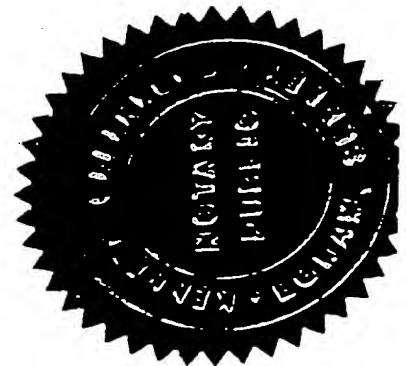
The Registrar of Companies for England and Wales hereby certifies that

SYNGENTA LIMITED (originally called HACKREMCO (NO.757) LIMITED, changed its name on 25th September 1992 to ICI Bioscience Limited, which was changed on 18th November 1992 to ZENECA LIMITED, which was changed on 21st November 2000 to SYNGENTA LIMITED, each change having been made by special resolution) was incorporated under the Companies Act 1985 as a limited company on 29th April 1992.

The Registrar further certifies that according to the documents on the file of the company, the situation of the registered office is SYNGENTA EUROPEAN REGIONAL CENTRE, PRIESTLEY ROAD, SURREY RESEARCH PARK, GUILDFORD, SURREY GU2 7YH.
.....

EXECUTION
Certified Verified and Authenticated
In The Town Of Egham In Surrey
This 31st day Of July 2002

KENNETH GREENWOOD
NOTARY PUBLIC
HORNE ENGALL AND FREEMAN



Given at Companies House, Cardiff the 24th June 2002

C. Llewellyn
CATHERINE LLEWELLYN

for the Registrar of Companies





CERTIFICATE OF INCORPORATION ON CHANGE OF NAME

Company No. 2710846

The Registrar of Companies for England and Wales hereby certifies that
ZENECA LIMITED

having by special resolution changed its name, is now incorporated
under the name of

SYNGENTA LIMITED

Given at Companies House, London, the 21st November 2000

I hereby certify this to be a true
and accurate copy of the original.

ANTHONY BROOKER
Notary Public

Brooker Grindrod

Suite 3 · Dudley House · Bracknell
Berkshire RG12 1LL
DX: 33603 Bracknell

MR. N. RICHARDS

For The Registrar Of Companies



C O M P A N I E S H O U S E



Attorney Docket No. 50288/PPDUSPCT
Application No.: 09/581,036
Mailing Date: June 27, 2007

The Patent & Trademark Office acknowledges, and has stamped hereon the date of receipt of the items below:

- 1) Status Inquiry (2 pages total)
- 2) Copy of the THIRD Request for Change of Correspondence Address and Revocation of Power of Attorney sent January 24, 2007 (21 pages total)
- 3) Certificate of Mailing

Attorney: Bruce Vrana

RECEIVED

JUL 05 2007

SYNGENTA
PATENT & LICENSING (RTP, NC)





Attorney Docket No. 50288/PPDUSPCT
Serial No. 09/581,036

FILING BY "FIRST CLASS MAIL" UNDER 37 C.F.R. § 1.8

I hereby certify that the following correspondence is being deposited with the United States Postal Service as "First Class Mail" with proper postage in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on June 26, 2007.

- 1) Status Inquiry (2 pages total)
- 2) Copy of the THIRD Request for Change of Correspondence Address and
Revocation of Power of Attorney sent January 24, 2007 (21 pages total)
- 3) Return Postcard

Melissa Hardy
Name

Melissa Hardy
Signature



CASE: 50288/PPDUSPCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Chengcai Chu

CONFIRMATION NO.: 2299

APPLICATION NO: 09/581,036

ART UNIT: 1638

FILED: August 8, 2000

FOR: Genetic Method

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

STATUS INQUIRY

Sir:

1. Over 5 months have passed since



NEW APPLICATIONS

the filing of this application on _____.

No communication has been received from the Patent and Trademark Office indicting action on this application.



AMENDED APPLICATIONS

the filing of a THIRD Request for Change of Correspondence Address and Revocation of Power of Attorney on January 24, 2007 (a copy of which is enclosed).

No further communication has been received from the Patent and Trademark Office.



APPEALED APPLICATION

The Appeal Brief was filed on _____.

☐ An Examiner's Action was mailed on _____.

☐ A Reply to the Examiner's Answer was submitted on _____.

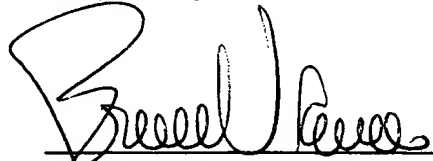


ALLOWED APPLICATIONS

the mailing of FORM POL-327 and/or Examiner's Amendment on _____.

2. Kindly advise the undersigned of the present status of the application along with the Change of Correspondence Address and Revocation of Power of Attorney.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Bruce Vrana", written over a horizontal line.

Bruce Vrana
Attorney for Applicants
Reg. No. 38,672
Telephone: 919-541-8614

Syngenta Biotechnology, Inc.
Patent Department
3054 Cornwallis Road
P.O. Box 12257
Research Triangle Park, NC 27709-2257

Date: June 27, 2007



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/581,036	08/08/2000	CHENGCAI CHU	PPD50288UST

22847
 SYNGENTA BIOTECHNOLOGY, INC.
 PATENT DEPARTMENT
 3054 CORNWALLIS ROAD
 P.O. BOX 12257
 RESEARCH TRIANGLE PARK, NC 27709-2257

CONFIRMATION NO. 2299

OC000000025138535

OC000000025138535

RECEIVED

AUG 06 2007

SYNGENTA
 PATENT & LICENSING (RTP, NC)✓
 Date Mailed: 08/01/2007

✓ NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

Docketed

This is in response to the Power of Attorney filed 06/29/2007.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

[Signature]
 Office of Initial Patent Examination (571) 272-4000, or 1-800-PTO-9199
 ATTORNEY/APPLICANT COPY

Copy sent to
 S Palmer